

## INTERNATIONAL SEARCH REPORT

PCT/EP 03/14483

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01J29/48 H01J29/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 479 927 B1 (JU HYOUNG-IL) 12 November 2002 (2002-11-12) claim 1	1
A	US 2002/047654 A1 (BAE MIN-CHEOL ET AL) 25 April 2002 (2002-04-25) claim 1	1

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

22 April 2004

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12/05/2004

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

PCT/EP 03/14483

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6479927	B1	12-11-2002	KR JP	2001009075 A 2001043812 A
US 2002047654	A1	25-04-2002	KR	2002015440 A